

In the Claims:

Please cancel claims 1-34.

Please add the following new claims 35-53:

35. (New) A method of capturing an image, comprising:
emitting a first beam of light from a first location along a first path;
emitting a second beam of light from a second location along a second path
different from the first path;
redirecting the first beam of light from the first path along a first periodic scan
pattern to a first region of an image field;
redirecting the second beam of light from the second path along a second periodic
scan pattern synchronized to the first scan pattern to a second region of the image field
different from the first region;
receiving at least a portion of light reflected from the image field;
converting the received light into at least one electrical signal; and
decoding the at least one electrical signal.
36. (New) The method of capturing an image of claim 35, wherein the first
and second beams of light are redirected by one scanner.
37. (New) The method of capturing an image of claim 35, wherein the first
and second beams of light are emitted sequentially.
38. (New) The method of capturing an image of claim 35, wherein the first
and second beams of light are at respective first and second wavelengths; and
reflected light at the first wavelength is received by a first photodetector tuned to
receive light at the first wavelength.

39. (New) The method of capturing an image of claim 38, wherein reflected light at the second wavelength is received by a second photodetector tuned to receive light at the second wavelength.

40. (New) The method of capturing an image of claim 35, wherein decoding the at least one electrical signal includes creating a bitmap image of the image field.

41. (New) The method of capturing an image of claim 35, wherein decoding the at least one electrical signal includes decoding a bar code symbol.

42. (New) The method of capturing an image of claim 41, wherein decoding a bar code symbol includes decoding a two-dimensional bar code symbol.

43. (New) The method of capturing an image of claim 35, wherein at least one of the first and second periodic scan patterns is one-dimensional.

44. (New) The method of capturing an image of claim 35, wherein at least one of the first and second periodic scan patterns is two-dimensional.

45. (New) The method of capturing an image of claim 35, further comprising: redirecting more than two beams of light along respective periodic scan patterns.

46. (New) The method of capturing an image of claim 35, further comprising: identifying a desired image to be viewed; and projecting the desired image onto the image field by modulating the intensity of at least one of the first or second beams of light as it is redirected along the corresponding periodic scan pattern in the corresponding region of the image field.

47. (New) An image capture device, comprising:
a plurality of beam emitters, each operable to emit a corresponding beam of light along a respective beam path;

at least one beam scanner aligned to receive the plurality of beams and operable to scan the beams across respective regions of a field of view;

at least one photodetector aligned to receive at least a portion of light from the plurality of beams reflected by an object in the field of view and operable to output an electrical signal corresponding to the detected light; and

a decoder coupled to receive the electrical signal from the photodetector and operable to decode an image of the field of view.

48. (New) The image capture device of claim 47, wherein the plurality of beam emitters include laser diodes.

49. (New) The image capture device of claim 47, wherein each of the plurality of beam emitters is operable to emit a unique wavelength of light; and

wherein the at least one photodetector includes a plurality of photodetectors aligned to receive at least a portion of light from the plurality of beams reflected by an object in the field of view, each photodetector being tuned to receive a subset of the unique wavelengths of light, and operable to output an electrical signal corresponding to the detected light; and

wherein the decoder is coupled to receive each of the electrical signals.

50. (New) The image capture device of claim 47, wherein each of the plurality of beam emitters is operable to emit a beam of light sequentially.

51. (New) The image capture device of claim 47, wherein decoding the image of the field of view includes producing a bitmap corresponding to the field of view.

52. (New) The image capture device of claim 47, wherein decoding the image of the field of view includes decoding a bar code symbol within the field of view.

53. (New) A bar code scanner, comprising:

at least two beam scanners operable to sweep respective beams across respective regions of a field of view;

a photodetector aligned to receive light from the field of view and operable to output an electrical signal corresponding to the received light; and

a decoder coupled to receive the electrical signal from the photodetector and operable to decode bar code symbols within the field of view.

54. (New) The bar code scanner of claim 53, wherein the at least two beam scanners share a common scan mirror.